

**LEISTER**

**Weld industrial  
fabrics with  
Leister.**

**Easy and  
precise.**



## Leister delivers performances.

Wherever you need to apply heat, Leister provides the ideal solution. We have been the worldwide leader in the field of plastic welding and hot-air blowers for over 50 years. For several years now we have also been offering innovative and effective laser systems and microsystems. We develop and produce all of our products in Switzerland – so you can always rely on the proverbial Leister quality. And because 98% of our production is exported, therefore, we have established a dense network of service centers throughout the world – guaranteeing excellent service anytime and anywhere.



The company building in Sarnen, Switzerland

**LEISTER**



### Plastic Welding

For decades now, we have been the worldwide market leader. The proverbial performance and reliability of our products makes Leister the first choice. Our tools are used in roof sealing systems, floor coverings, plastic sheeting, in earthworks, hydraulic and tunnel engineering, in process equipment manufacturing and for vehicle repair.

**NOVOLAS™**



### Laser systems

Our innovative solutions for precision welding of plastics open up new production methods in automobile manufacturing, in medical and sensory technology, electronics, as well as in micro-systems technology or in soldering electronic components.

**LEISTER**



### Process heat

Whether for activation, heating, curing, melting, shrinking, welding, sterilization, drying or warming: hot-air is increasingly deployed in industrial processes. Leister customers profit from our extensive engineering knowledge and benefit from our advice in the conceptual design of hot-air applications.

**a:etris**



### Microsystems

In tomorrow's world, the smallest of structures will play a huge role! In order for our customers to keep ahead of the field in the future, we are already developing and producing micro-mechanical sensors and micro-optical components in our cleanroom today.

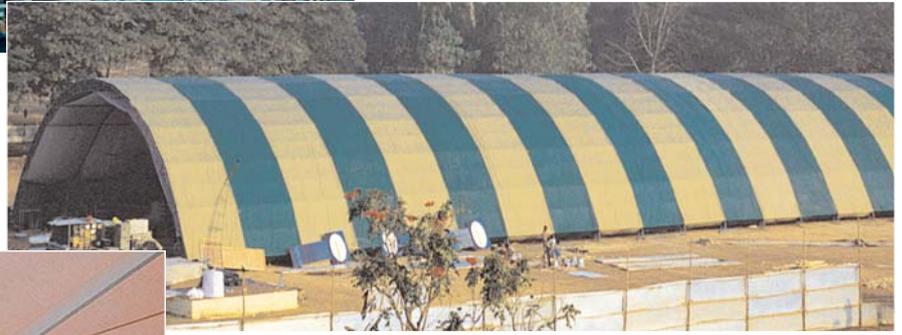
**Welding industrial fabrics with Leister.** There is hardly an area where Leister is not to be found: Tarpaulins, tents, billboards, swimming pool covers, sunblinds, covers for agricultural and construction applications, boat covers, industrial curtains and much, much more... Here is just a selection from the almost unlimited possibilities.



Giant advertising banners in India.



Inflatable advertising media.



150 meter long hanger.



Retractable awning for shaded protection.



Tarpaulin truck cover.



Waterproofing membranes for swimming pools.



"T shirt" for the Swiss national soccer team.



Life raft for a cruise ship.

# Leister brings industrial fabrics into top shape.

Whether coated fabric, foils or waterproof sheeting made of PVC, PE, PP, etc.: Leister welds all types of industrial fabrics perfectly with mobile, handy, flexible and simple-to-operate welding machines. Extensive accessories and practical advice round off our offering. Thanks to its worldwide customer focus, Leister knows what the professional needs. All devices are made in Switzerland. Before leaving our factory, each

## Hot air welding machine

### UNIPLAN E

For efficient hot-air welding of industrial fabrics the UNIPLAN E is ideal. A guide roller keeps the tool precisely on course. Its digital display shows set and actual values of temperature and welding speed. The heating is electronically controlled.



- Small, light and handy
- Digital display
- Automatic start
- High welding speed
- Integrated lifting mechanism

#### Technical Data

Voltage	V~	230
Power consumption	W	2300
Frequency	Hz	50
Temperature	°C	20 – 620
Speed	m/min	1.0 – 7.5
Air flow range	%	50 – 100 (steplessly)
Air flow (20°C)	l/min	300
Welding seam width	mm	20 or 30
Size (L × W × H)	mm	420 × 270 × 210
Weight	kg	11.5 (with 3 m cord)
Marking of conformity	CE	
Approval mark	E	
Certification scheme	CCA	
Protection class I	⊕	

#### Articel no

114.221	20 mm	with Euro plug
114.318	30 mm	with Euro plug
Other versions on request		

## Hot air welding machine

### UNIPLAN S

An economical alternative to the UNIPLAN E. UNIPLAN S is for discerning user who places importance on simple operation.



- Small, light and handy
- Intuitive operation
- High welding speed
- Integrated lifting mechanism

#### Technical Data

Voltage	V~	230
Power consumption	W	2300
Frequency	Hz	50
Temperature	°C	20 – 620
Speed	m/min	1.0 – 7.5
Air flow range	%	50 – 100
Air flow (20°C)	l/min	300
Welding seam width	mm	20 or 30
Size (L × W × H)	mm	420 × 270 × 210
Weight	kg	11.5 (with 3 m cord)
Marking of conformity	CE	
Approval mark	E	
Certification scheme	CCA	
Protection class I	⊕	

#### Articel no

115.049	20 mm	with Euro plug
115.050	30 mm	with Euro plug
Other versions on request		



Welding an advertising banner with UNIPLAN E.



Effortless working with UNIMAT OVERLAP.



Welding reinforcement tape with UNIMAT V TAPE.

## Hot air welding machine

# UNIMAT OVERLAP

The microprocessor-controlled, high-performance machine UNIMAT OVERLAP ensures extremely fast and economical welding. Versions available for welding membranes or coated woven materials.



- High welding speed
- Digital display of set and actual values of welding speed, temperature and air flow
- No corrective action required thanks to the new guide roller
- Automatic start
- Integrated lifting mechanism

### Technical Data

Voltage	V~	230
Power consumption	W	3680
Frequency	Hz	50
Temperature	°C	20 – 620
Speed	m/min	1.5 – 12
Air flow range	%	50 – 100 (steplessly)
Air flow (20°C)	l/min	500
Welding seam width	mm	20 or 40
Size (L × W × H)	mm	600 × 430 × 310
Weight	kg	23.0 (with 5 m cord)
Marking of conformity		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		⊕

### Articel no

119.095	overlap 20 mm	with Euro plug
119.094	overlap 40 mm	with Euro plug
Other versions on request		

## Hot air welding machine

# UNIMAT TAPE

The microprocessor-controlled, high-performance machine UNIMAT TAPE ensures fast and economical tape welding of industrial fabrics or coated woven materials.



- High welding speed
- Digital display of set and actual values of welding speed, temperature and air flow
- No corrective action required thanks to the new guide roller
- Automatic start
- With tape unwind construction

### Technical Data

Voltage	V~	230
Power consumption	W	3680
Frequency	Hz	50
Temperature	°C	20 – 620
Speed	m/min	1.5 – 12
Air flow range	%	50 – 100 (steplessly)
Air flow (20°C)	l/min	500
Tape width	mm	40 or 50
Size (L × W × H)	mm	600 × 415 × 310
Weight	kg	28.0 (with 5 m cord and trolley attachment)
Marking of conformity		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		⊕

### Articel no

119.097	tape 40 mm	with Euro plug
119.096	tape 50 mm	with Euro plug
Other versions on request		



Welding tie downs with TRIAC S.



Repair welding of a truck tarpaulin using TRIAC PID with wide slot nozzle and pressure roller.



Point welding with HOT JET S.

## Hand tool

### TRIAC PID / TRIAC S

Thanks to micro-processor controlled temperature and electronic monitoring, the TRIAC is the preferred hand tool for welding with high quality.



- Reproducible results thanks to digital display of set and actual temperature (TRIAC PID)
- Welding results independent of voltage fluctuations and ambient temperature
- Adaptor tube with heat protection
- Electronic heating element protection
- Motor shut-off at minimal carbon level
- Suitable for continuous operation

#### Technische Daten

Voltage	V~	230
Power consumption	W	1600
Frequency	Hz	50
Temperature	°C	50 – 600
Air flow (20°C)	l/min	230
Pressure static	Pa	ca. 3000 (30 mbar)
Size (L x Ø)	mm	340 x 90, handle Ø 56
Weight	kg	1.4 (with 3 m cord)
Marking of conformity		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class II		Ⓜ

#### Articel no

TRIAC PID	100.741	with Euro plug
TRIAC S	100.705	with Euro plug
Other versions on request		

## Hand tool

### HOT JET S

As the most compact hand tool from Leister, the HOT JET S' low weight of just 600 grams, incl. cord and slim handle, ensures fatigue-free welding and high power.



- The smallest hand tool worldwide
- Electronic steplessly controlled temperature
- Electronic steplessly controlled air flow
- Electronic heating element protection
- Low noise
- Integrated flexible tool stand

#### Technical Data

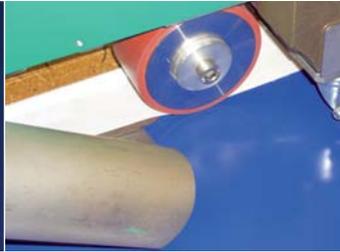
Voltage	V~	230
Power consumption	W	460
Frequency	Hz	50
Temperature	°C	20 – 600
Air flow (20°C)	l/min	20 – 80
Pressure static	Pa	max. 1600 (16 mbar)
Size (L x Ø)	mm	235 x 70, handle Ø 40
Weight	kg	0.6 (with 3 m cord)
Marking of conformity		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class II		Ⓜ

#### Articel no

100.648	with Euro plug
Other versions on request	



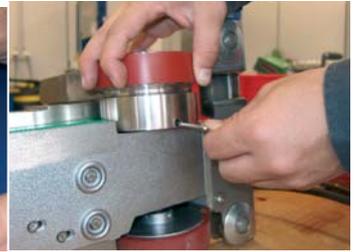
Easy hem cord welding with UNIPLAN E.



Hem cord welding with UNIMAT V OVERLAP.



Hem welding with the UNIPLAN E.



Fast conversions to hem cord welding on the UNIPLAN E.

## Accessories for Industrial Fabrics

115.065 115.066		Overlap welding unit 20 mm Overlap welding unit 30 mm  > UNIPLAN E > UNIPLAN S	115.184 115.185		Retrofit kit for overlap welding 20 mm Retrofit kit for overlap welding 40 mm  > UNIMAT V TAPE
115.067		Weight with holder  > UNIPLAN E > UNIPLAN S	128.098 128.099		Hem cord roll 20 mm Hem cord roll 40 mm  > UNIMAT V OVERLAP
115.839		Handle with holder and screws  > UNIPLAN E > UNIPLAN S	114.498 114.510		Overlap welding nozzle 40 mm Overlap welding nozzle 20 mm  > UNIMAT V OVERLAP
119.933 119.934		Hem welding kit 20 mm Hem welding kit 30 mm  > UNIPLAN E > UNIPLAN S	106.975		One-arm pressure roller 40 mm, with ball bearings (silicon)
122.013		Hem cord welding kit with lifting device  > UNIPLAN E > UNIPLAN S	106.977		Pressure roller 28 mm (silicon)
122.016		Hem cord welding kit without lifting device  > UNIPLAN E > UNIPLAN S	106.981		Customs seal roller
122.022		Guide bar complete  > UNIPLAN E > UNIPLAN S	107.123		Wide slot nozzle 20 mm, push-fit  > TRIAC PID > TRIAC S
115.014 115.015		Retrofit kit for tape welding 40 mm Retrofit kit for tape welding 50 mm  > UNIMAT V OVERLAP	107.132		Wide slot nozzle 40 mm, push-fit  > TRIAC PID > TRIAC S
115.192 115.193		Tape welding unit 40 mm to convert 50 inch tape to 40 mm tape Tape welding unit 50 mm to convert 40 inch tape to 50 mm tape  > UNIMAT V TAPE	107.142		Wide slot nozzle 20 mm, push-fit  > HOT JET S

Technical data is subject to change without notice.



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Our close worldwide network of more than 120 Sales and Service Centres in more than 60 countries.